

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080223\
 Data File : VY014941.D
 Acq On : 02 Aug 2023 19:37
 Operator : SY/MD
 Sample : 03862-05MSD
 Misc : 7.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BUILDING-B-11-(10-15)MSD

Quant Time: Aug 03 04:32:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/03/2023
 Supervised By :Mahesh Dadoda 08/03/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	232915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	380412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	332637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	141653	53.370	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.740%			
35) Dibromofluoromethane	7.710	113	126748	52.340	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.680%			
50) Toluene-d8	10.179	98	445613	49.912	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.820%			
62) 4-Bromofluorobenzene	12.477	95	163757	47.836	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.680%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	75408	39.739	ug/l	99
3) Chloromethane	2.113	50	92812	43.511	ug/l	97
4) Vinyl Chloride	2.247	62	119024	49.928	ug/l	99
5) Bromomethane	2.637	94	87675	55.651	ug/l	96
6) Chloroethane	2.784	64	81650	54.831	ug/l	94
7) Trichlorofluoromethane	3.119	101	198019	49.458	ug/l	99
8) Diethyl Ether	3.527	74	67719	45.458	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.893	101	119284	48.607	ug/l	95
10) Methyl Iodide	4.088	142	111783	43.302	ug/l	98
11) Tert butyl alcohol	4.960	59	128299	232.084	ug/l #	80
12) 1,1-Dichloroethene	3.869	96	103694	45.210	ug/l	91
13) Acrolein	3.729	56	43281	156.017	ug/l	96
14) Allyl chloride	4.472	41	160375	39.380	ug/l	96
15) Acrylonitrile	5.155	53	255745	311.324	ug/l	98
16) Acetone	3.948	43	217633	258.757	ug/l	94
17) Carbon Disulfide	4.192	76	243114	37.023	ug/l	99
18) Methyl Acetate	4.472	43	208844	64.705	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	356103	47.796	ug/l	99
20) Methylene Chloride	4.710	84	156034	57.763	ug/l	91
21) trans-1,2-Dichloroethene	5.216	96	110335	42.389	ug/l	96
22) Diisopropyl ether	6.118	45	343552	41.493	ug/l #	90
23) Vinyl Acetate	6.057	43	1039851	209.868	ug/l #	94
24) 1,1-Dichloroethane	6.015	63	207033	43.701	ug/l	98
25) 2-Butanone	6.978	43	365459	297.006	ug/l	94
26) 2,2-Dichloropropane	6.978	77	188074	41.654	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	133764	44.150	ug/l	94
28) Bromochloromethane	7.332	49	88245	43.250	ug/l	91
29) Tetrahydrofuran	7.344	42	237777	313.825	ug/l	91
30) Chloroform	7.502	83	217616	44.545	ug/l	96
31) Cyclohexane	7.783	56	180540	40.977	ug/l	91
32) 1,1,1-Trichloroethane	7.697	97	208070	47.322	ug/l	98
36) 1,1-Dichloropropene	7.911	75	163461	45.137	ug/l	99
37) Ethyl Acetate	7.069	43	147595	59.195	ug/l #	95
38) Carbon Tetrachloride	7.899	117	184619	48.226	ug/l	99
39) Methylcyclohexane	9.179	83	209621	44.430	ug/l	93
40) Benzene	8.155	78	452765	43.960	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	78444m	61.166	ug/l	
42) 1,2-Dichloroethane	8.234	62	156313	47.925	ug/l	95
43) Isopropyl Acetate	8.270	43	249627	52.557	ug/l	97
44) Trichloroethene	8.935	130	138178	47.950	ug/l	95
45) 1,2-Dichloropropane	9.209	63	116734	43.404	ug/l	97
46) Dibromomethane	9.301	93	79917	48.982	ug/l	96
47) Bromodichloromethane	9.490	83	174597	45.404	ug/l	99
48) Methyl methacrylate	9.289	41	114384	53.521	ug/l	92
49) 1,4-Dioxane	9.295	88	39072	1468.652	ug/l #	57
51) 4-Methyl-2-Pentanone	10.063	43	756166	303.223	ug/l	93
52) Toluene	10.240	92	291800	44.275	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	182009	43.271	ug/l	99
54) cis-1,3-Dichloropropene	9.923	75	194627	42.549	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	114610	50.429	ug/l	95
56) Ethyl methacrylate	10.508	69	173465	49.989	ug/l	90
57) 1,3-Dichloropropane	10.788	76	189473	48.336	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	411580	254.558	ug/l	93
59) 2-Hexanone	10.825	43	572923	315.038	ug/l	92
60) Dibromochloromethane	10.977	129	134309	48.200	ug/l	99
61) 1,2-Dibromoethane	11.087	107	115994	51.161	ug/l	99
64) Tetrachloroethene	10.715	164	155928	58.285	ug/l	96
65) Chlorobenzene	11.514	112	320113	45.160	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	124532	46.595	ug/l	99
67) Ethyl Benzene	11.587	91	575634	44.978	ug/l	100
68) m/p-Xylenes	11.697	106	435570	89.158	ug/l	96
69) o-Xylene	12.026	106	212819	44.725	ug/l	97
70) Styrene	12.038	104	358455	44.696	ug/l	97
71) Bromoform	12.203	173	95845	52.907	ug/l #	97
73) Isopropylbenzene	12.325	105	591195	44.912	ug/l	100
74) N-amyl acetate	12.142	43	208656	47.328	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.575	83	147156	49.022	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	130265m	61.352	ug/l	
77) Bromobenzene	12.605	156	135359	45.048	ug/l	96
78) n-propylbenzene	12.666	91	689705	43.481	ug/l	99
79) 2-Chlorotoluene	12.751	91	380149	41.609	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	471324	42.873	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.373	75	50708	46.240	ug/l	96
82) 4-Chlorotoluene	12.849	91	386712	41.098	ug/l	99
83) tert-Butylbenzene	13.068	119	437927	44.907	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	462367	42.856	ug/l	98
85) sec-Butylbenzene	13.251	105	644405	45.046	ug/l	100
86) p-Isopropyltoluene	13.367	119	524427	44.900	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	257777	44.079	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	258225	44.064	ug/l	99
89) n-Butylbenzene	13.690	91	484472	42.634	ug/l	97
90) Hexachloroethane	13.958	117	100068	41.712	ug/l	91
91) 1,2-Dichlorobenzene	13.733	146	241299	45.036	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.349	75	32862	57.244	ug/l	90
93) 1,2,4-Trichlorobenzene	15.001	180	146747	43.146	ug/l	98
94) Hexachlorobutadiene	15.105	225	78105	41.788	ug/l	97
95) Naphthalene	15.233	128	453885	57.280	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	135833	44.936	ug/l	97

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(#)=qualifier out of range (m)=manual integration (+)=signals summed						

